

Appl. No. 10/643,932
Reply to Office Action of April 20, 2005

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of claims

1. (Original) A high reflectivity insulative material comprising an outer polyester sheet, a plastic backing, and an aluminum film between the polyester sheet and the plastic backing, wherein the polyester sheet has a high smoothness such that the aluminum film is substantially uniformly coated thereon, whereby the insulative material has a high reflectivity with said polyester sheet facing outwardly thereof.
2. (Original) An insulative material as defined in claim 1, wherein the polyester sheet has a melt point of at least approximately 400°F.
3. (Original) An insulative material as defined in claim 1, wherein the polyester sheet has an optical density of at least 3.10 at 75°F.
4. (Original) An insulative material as defined in claim 1, wherein the polyester sheet, the aluminum film and the plastic backing form a laminate, a pair of said laminates being assembled symmetrically on each side of an insulation layer.
5. (Original) An insulative material as defined in claim 1, wherein the polyester sheet, the aluminum film and the plastic backing form a laminate, a pair of said laminates being assembled symmetrically on each side of an assembly of at least two insulation layers with a plastic sheet between successive insulation layers.
6. (Original) An insulative material as defined in claim 1, wherein the polyester sheet has a 48 gauge thickness.
7. (Original) An insulative material as defined in claim 4, wherein the insulation layer comprises a closed-cell type insulation.

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8. (Original) An insulative material as defined in claim 5, wherein each of the insulation layers comprises a closed-cell type insulation.
9. (Original) An insulation material as defined in claim 8, wherein the closed cells of at least two of the insulation layers are of different dimensions.
10. (Original) An insulative material as defined in claim 5, wherein each of the plastic sheet is made of white polyethylene.
11. (Original) An insulative material as defined in claim 1, wherein the plastic backing has a reflective color.
12. (Original) An insulative material as defined in claim 11, wherein the plastic backing is made of polyethylene.
13. (Currently amended) ~~A high reflectivity~~ An insulative material comprising an outer polyester sheet, a plastic backing, an aluminum film between the polyester sheet and the plastic backing, as defined in claim 1, further comprising an insulation layer on a side of the plastic backing opposite the aluminum film and a plastic sheet on a side of the insulation layer opposite the plastic backing.
14. (Original) An insulative material as defined in claim 13, wherein the plastic backing has a reflective color.
15. (Original) An insulative material as defined in claim 14, wherein the plastic backing is made of polyethylene.
16. (Original) An insulative material as defined in claim 15, wherein the polyester sheet, the aluminum film, the plastic backing and the insulation layer form a laminate, a pair of the laminates being assembled symmetrically on each side of the plastic sheet.

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17. (Original) An insulative material as defined in claim 13, wherein the insulation layer comprises a closed-cell type insulation.

18. (Original) A method for producing a high reflectivity insulative material, comprising the steps of:

a) providing and heating a polyester film having a melt point of at least approximately 400°F;

b) depositing a coating of aluminum on the heated polyester film; and

c) providing a reflective plastic backing on the aluminum coating opposite the polyester film.

19. (Original) A method as defined in claim 18, further comprising the step of:

d) providing a thermally insulative layer on the reflective plastic backing opposite the aluminum coating; and

e) providing a plastic sheet on the thermally insulative layer opposite the reflective plastic backing.

20. (Original) A method as defined in claim 18, wherein in step (b), the aluminum is vapor deposited on said polyester film.

21. (Original) A method as defined in claim 18, wherein the reflective plastic backing is made of polyethylene.